

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

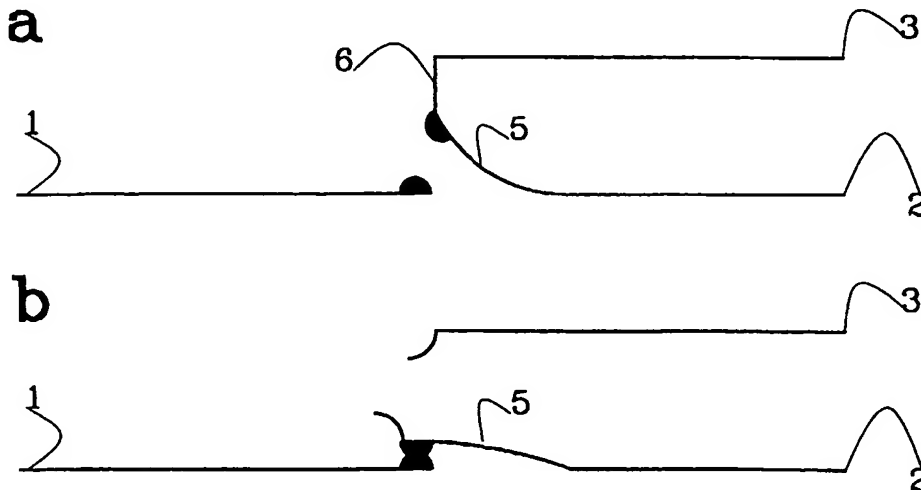
(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 03/08388 A1

- (51) International Patent Classification⁷: H01H 61/00, 67/22
- (21) International Application Number: PCT/SE02/00656
- (22) International Filing Date: 2 April 2002 (02.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ANDRÉ, Tore [SE/SE]; Guldbaggestigen 17, S-125 51 Älvsjö (SE).
- (74) Agent: ERICSSON AB; Multi-Service Networks, Patent Unit Service and Backbone Networks, S-125 26 Stockholm (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RELAY AND CROSS-CONNECT



(57) Abstract: The present invention relates to a fuse-relay including a first pole (1, 11, 21, 31, 81) and a second pole (2, 12, 22, 32, 82). According to the invention the fuse-relay includes a resilient device (5, 18, 27, 37, 87) that is held in an elastically deformed position by a fuse (6, 16, 26, 36, 86) when the fuse (6, 16, 26, 36, 86) is whole; and in that the resilient device (5, 18, 27, 37, 87) is arranged to make or break a connection between the first pole (1, 11, 21, 31, 81) and the second pole (2, 12, 22, 32, 82) when the fuse (6, 16, 26, 36, 86) is blown. The invention also relates to a cross-connect with such fuse-relays, to a telecommunication system with such cross-connects and to a connection method.